

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: S,J,Paul, et al.
By Murray Leonard, Patent Agent Reg no. 39,515

Serial No.

Docket No: M-553
Examiner:

Filing Date: May 12, 1998

Art Unit:

Commissioner of Patents and Trademarks
Washington, DC 20231



INFORMATION DISCLOSURE STATEMENT

The following background art is provided under 37CFR 1.97 and copies are included in compliance with 37CFR 1.98.

UNITED STATES PATENTS

<u>U.S. PAT. NO.</u>	<u>ISSUE DATE</u>	<u>NAME</u>	<u>TITLE</u>
3,579,088	May 18, 1971	Fletcher	Ferroresonant transformer With controllable flux.
4,142,141	Feb 27, 1979	Hase	Ferroresonant regulating Circuit
4,692,854	Sept 8, 1997	Baxter et al.	Method and apparatus for Modulating pulse width.
3,611,116	Oct 5, 1971	Balian	Ferroresonant regulator With saturable and unsaturable transformers
4,242,630	Dec 30, 1980	Szpakowski	Ferroresonant voltage Regulator.
5,483,463	Jan 9, 1996	Quinn et al.	Uninterruptible Power Supply and method.
3,988,662	Oct 26, 1976	Hunter	Variable flux reset Ferroresonant transformer
3,573,605	April 6, 1971	Hart	Closed loop ferroresonant regulator
3,573,606	April 26, 1971	Hart	Closed loop ferroresonant Voltage regulator which Simulates saturation

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<u>U.S. PAT, NO.</u>	<u>ISSUE DATE</u>	<u>NAME</u>	<u>TITLE</u>
3,590,362	Jan 29, 1971	Kakalec	Dc to Dc converter circuit
4,439,722	Mar 27, 1984	Budnick	Ferroresonant power supply stabilizer circuit for avoiding sustained oscillations.
4,465,966	Aug 14, 1984	Long et al.	Controlled Ferroresonant regulator Providing immunity from Sustained oscillations.
5,351,178	Sept 27, 1994	Moran et al.	Active power line conditioner with a derived load current fundamental signal ...
5,384,696	Jan 24, 1995	Moran et al.	Active power line Conditioner with Fundamental negative Sequence compensation.

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<u>U.S. PAT. NO.</u>	<u>ISSUE DATE</u>	<u>NAME</u>	<u>TITLE</u>
3,965,408	June 22, 1976	Higuchi et al.	Controlled ferroresonant transformer regulated power supply
4,030,025	June 14, 1977	Kaskalec	Ferroresonant regulator with Supplementary Regulation Through waveform Control.
3,875,493	April 1, 1975	Kunzinger et al.	Ferroresonant power converter with control of inverter frequency and sensing of saturation.
4,975,649	Dec. 4, 1990	Bobry	Method and apparatus for sensing loss of regulation in a ferroresonant transformer

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**5,351,181 Sept 27, 1994 Brennan et al. Low cost active
power line
condition**

A discussion of this material can be found on pages 20 and 21 of the specification. A copy of PTO 1449 is included.

Respectfully submitted
Steve J. Paul et al.

By: _____
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